

Application Serial Number 10/550,875
Response to Office Action
Dated May 17, 2007

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1. Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A sample Sample rate converter for converting an input sample rate of a signal into an output sample rate, wherein the sample rate converter comprises comprising a sample rate adapter operative for, in response to a control signal having a first value, to adapt adapting an intermediate sample rate such that the output sample rate is larger than the input sample rate, and for, in response to a control signal having a second value, to adapt adapting the intermediate sample rate such that the output sample rate is smaller than the input sample rate, and
a variable sample rate decreaser operative to variably decrease the intermediate
sample rate.

2. (Cancelled).

3. (Currently Amended) A sample Sample-rate converter according to claim [[2]], wherein the sample rate converter comprises a fixed sample rate increaser for fixedly increasing the input sample rate and for generating a signal with the intermediate sample rate destined for the variable sample rate decreaser.

4. (Currently Amended) Sample A sample rate converter according to claim 3, wherein the fixed sample rate increaser increases the input sample rate with a fixed

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increasing factor K, with the variable sample rate decreaser variably decreasing the intermediate sample rate with a variable decreasing factor L, with $L \leq K$.

5. (Currently Amended) SampleA sample rate converter according to claim 4, wherein the sample rate converter comprises a fixed sample rate decreaser for fixedly decreasing a variably decreased intermediate sample rate with a fixed factor M and for generating a signal with the output sample rate.

6. (Currently Amended) SampleA sample rate converter according to claim 1, wherein the sample rate adapter comprises a variable sample rate increaser for variably increasing the intermediate sample rate.

7. (Currently Amended) SampleA sample rate converter according to claim 6, wherein the sample rate converter comprises a fixed sample rate increaser for fixedly increasing the input sample rate and for generating a signal with the intermediate sample rate destined for the variable sample rate increaser.

8. (Currently Amended) SampleA sample rate converter according to claim 7, wherein the sample rate converter comprises a fixed sample rate decreaser for fixedly decreasing a variably increased intermediate sample rate and for generating a signal with the output sample rate.

9. -11. (Cancelled).